

10/557992

SEQUENCE LISTING  
JAP20 Rec'd PCT/PTO 22 NOV 2005

&lt;110&gt; Japan Science and Technology Corporation

&lt;120&gt; Probe for visualizing protein interaction and method of analyzing protein-protein interaction using the same

&lt;130&gt; 04F025PCT

&lt;160&gt; 6

&lt;210&gt; 1

&lt;211&gt; 300

&lt;212&gt; PRT

&lt;213&gt; Renilla reniformis

&lt;400&gt; 1

Met	Thr	Ser	Lys	Val	Tyr	Asp	Pro	Glu	Gln	Arg	Lys	Arg	Met	Ile
1									10				15	
Thr	Gly	Pro	Gln	Trp	Trp	Ala	Arg	Cys	Lys	Gln	Met	Asn	Val	Leu
16									25				30	
Asp	Ser	Phe	Ile	Asn	Tyr	Tyr	Asp	Ser	Glu	Lys	His	Ala	Glu	Asn
31									40				45	
Ala	Val	Ile	Phe	Leu	His	Gly	Asn	Ala	Ala	Ser	Ser	Tyr	Leu	Trp
46									55				60	
Arg	His	Val	Val	Pro	His	Ile	Glu	Pro	Val	Ala	Arg	Cys	Ile	Ile
61									70				75	
Pro	Asp	Leu	Ile	Gly	Met	Gly	Lys	Ser	Gly	Lys	Ser	Gly	Asn	Gly
76									85				90	
Ser	Tyr	Arg	Leu	Leu	Asp	His	Tyr	Lys	Tyr	Leu	Thr	Ala	Trp	Phe
91									100				105	
Glu	Leu	Leu	Asn	Leu	Pro	Lys	Lys	Ile	Ile	Phe	Val	Gly	His	Asp
106									115				120	
Trp	Gly	Ala	Cys	Leu	Ala	Phe	His	Tyr	Cys	Tyr	Glu	His	Gln	Asp
121									130				135	
Lys	Ile	Lys	Ala	Ile	Val	His	Ala	Glu	Ser	Val	Val	Asp	Val	Ile
136									145				150	
Glu	Ser	Trp	Asp	Glu	Trp	Pro	Asp	Ile	Glu	Glu	Asp	Ile	Ala	Leu
151									160				165	
Ile	Lys	Ser	Glu	Glu	Gly	Glu	Lys	Met	Val	Leu	Glu	Asn	Asn	Phe
166									175				180	
Phe	Val	Glu	Thr	Met	Leu	Pro	Ser	Lys	Ile	Met	Arg	Lys	Leu	Glu
181									190				195	
Pro	Glu	Glu	Phe	Ala	Ala	Tyr	Leu	Glu	Pro	Phe	Lys	Glu	Lys	Gly
196									205				210	
Glu	Val	Arg	Arg	Pro	Thr	Leu	Ser	Trp	Pro	Arg	Glu	Ile	Pro	Leu
211									220				225	
Val	Lys	Gly	Gly	Lys	Pro	Asp	Val	Val	Gln	Ile	Val	Arg	Asn	Tyr

226	230	235	240
Asn Ala Tyr Leu Arg Ala Ser Asp Asp	Leu Pro Lys Met Phe Ile		
241	245	250	255
Glu Ser Asp Pro Gly Phe Phe Ser Asn Ala Ile Val Glu Gly Ala			
256	260	265	270
Lys Lys Phe Pro Asn Thr Glu Phe Val Lys Val Lys Gly Leu His			
271	275	280	285
Phe Ser Gln Glu Asp Ala Pro Asp Glu Met Gly Asn Tyr Ile Gln			
286	290	295	300

&lt;210&gt; 2

&lt;211&gt; 13

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;223&gt; Synthesized Oligopeptide

&lt;400&gt; 2

Thr Glu Glu Ala Tyr Met Lys Met Asp Leu Gly Pro Gly		
1	5	10

&lt;210&gt; 3

&lt;211&gt; 300

&lt;212&gt; PRT

&lt;213&gt; Renilla reniformis

&lt;400&gt; 3

Met Thr Ser Lys Val Tyr Asp Pro Glu Gln Arg Lys Arg Met Ile			
1	5	10	15
Thr Gly Pro Gln Trp Trp Ala Arg Cys Lys Gln Met Asn Val Leu			
16	20	25	30
Asp Ser Phe Ile Asn Tyr Tyr Asp Ser Glu Lys His Ala Glu Asn			
31	35	40	45
Ala Val Ile Phe Leu His Gly Asn Ala Ala Ser Ser Tyr Leu Trp			
46	50	55	60
Arg His Val Val Pro His Ile Glu Pro Val Ala Arg Cys Ile Ile			
61	65	70	75
Pro Asp Leu Ile Gly Met Gly Lys Ser Gly Lys Ser Gly Asn Gly			
76	80	85	90
Ser Tyr Arg Leu Leu Asp His Tyr Lys Tyr Leu Thr Ala Trp Phe			
91	95	100	105
Glu Leu Leu Asn Leu Pro Lys Lys Ile Ile Phe Val Gly His Asp			
106	110	115	120
Trp Gly Ala Ala Leu Ala Phe His Tyr Cys Tyr Glu His Gln Asp			
121	125	130	135
Lys Ile Lys Ala Ile Val His Ala Glu Ser Val Val Asp Val Ile			
136	140	145	150
Glu Ser Trp Asp Glu Trp Pro Asp Ile Glu Glu Asp Ile Ala Leu			
151	155	160	165

Ile	Lys	Ser	Glu	Glu	Gly	Glu	Lys	Met	Val	Leu	Glu	Asn	Asn	Phe
166			170					175			180			
Phe	Val	Glu	Thr	Met	Leu	Pro	Ser	Lys	Ile	Met	Arg	Lys	Leu	Glu
181			185					190			195			
Pro	Glu	Glu	Phe	Ala	Ala	Tyr	Leu	Glu	Pro	Phe	Lys	Glu	Lys	Gly
196			200					205			210			
Glu	Val	Arg	Arg	Pro	Thr	Leu	Ser	Trp	Pro	Arg	Glu	Ile	Pro	Leu
211			215					220			225			
Val	Lys	Gly	Gly	Lys	Pro	Asp	Val	Val	Gln	Ile	Val	Arg	Asn	Tyr
226			230					235			240			
Asn	Ala	Tyr	Leu	Arg	Ala	Ser	Asp	Asp	Leu	Pro	Lys	Met	Phe	Ile
241			245					250			255			
Glu	Ser	Asp	Pro	Gly	Phe	Phe	Ser	Asn	Ala	Ile	Val	Glu	Gly	Ala
256			260					265			270			
Lys	Lys	Phe	Pro	Asn	Thr	Glu	Phe	Val	Lys	Val	Lys	Gly	Leu	His
271			275					280			285			
Phe	Ser	Gln	Glu	Asp	Ala	Pro	Asp	Glu	Met	Gly	Asn	Tyr	Ile	Gln
286			290					295			300			

&lt;210&gt; 4

&lt;211&gt; 18

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;223&gt; Synthesized Oligopeptide

&lt;400&gt; 4

Cys	Leu	Ser	Leu	Ala	Ser	Asn	Asn	Gly	Asn	Gly	Arg	Asn	Gly	Ala
1				5					10				15	
Ser	Leu	Glu												
16														

&lt;210&gt; 5

&lt;211&gt; 17

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;223&gt; Synthesized Oligopeptide

&lt;400&gt; 5

Pro	Arg	Gly	Asn	Asn	Gly	Gly	Asn	Asn	Asp	Val	Met	Ala	Ile	Ala
1				5					10				15	
Ala	Asn													
16														

&lt;210&gt; 6

&lt;211&gt; 133

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

## &lt;223&gt; Synthesized Oligopeptide

&lt;400&gt; 6

Met	Thr	Ser	Lys	Val	Tyr	Asp	Pro	Glu	Gln	Arg	Lys	Arg	Met	Ile
1				5				10					15	
Thr	Gly	Pro	Gln	Trp	Trp	Ala	Arg	Cys	Lys	Gln	Met	Asn	Val	Leu
16				20				25					30	
Asp	Ser	Phe	Ile	Asn	Tyr	Tyr	Asp	Ser	Glu	Lys	His	Ala	Glu	Asn
31				35				40					45	
Ala	Val	Ile	Phe	Leu	His	Gly	Asn	Ala	Ala	Ser	Ser	Tyr	Leu	Trp
46				50				55					60	
Arg	His	Val	Val	Pro	His	Ile	Glu	Pro	Val	Ala	Arg	Cys	Ile	Ile
61				65				70					75	
Pro	Asp	Leu	Ile	Gly	Met	Gly	Lys	Ser	Gly	Lys	Ser	Gly	Asn	Gly
76				80				85					90	
Ser	Cys	Leu	Ser	Leu	Ala	Ser	Asn	Asn	Gly	Asn	Gly	Arg	Asn	Gly
91				95				100					105	
Ala	Ser	Leu	Glu	Thr	Glu	Glu	Tyr	Met	Lys	Met	Asp	Leu	Gly	Pro
106				110				115					120	
Gly	Thr	Arg	Glu	Gln	Lys	Leu	Ile	Ser	Glu	Glu	Asp	Leu		
121				125				130						

&lt;210&gt; 7

&lt;211&gt; 352

&lt;212&gt; PRT

&lt;213&gt; Artificial Sequence

&lt;223&gt; Synthesized Oligopeptide

&lt;400&gt; 7

Met	Asp	Ala	Glu	Trp	Tyr	Trp	Gly	Asp	Ile	Ser	Arg	Glu	Glu	Val
1				5				10					15	
Asn	Glu	Lys	Leu	Arg	Asp	Thr	Ala	Asp	Gly	Thr	Phe	Leu	Val	Arg
16				20				25					30	
Asp	Ala	Ser	Thr	Lys	Met	His	Gly	Asp	Tyr	Thr	Leu	Thr	Leu	Arg
31				35				40					45	
Lys	Gly	Gly	Asn	Asn	Lys	Leu	Ile	Lys	Ile	Phe	His	Arg	Asp	Gly
46				50				55					60	
Lys	Tyr	Gly	Phe	Ser	Asp	Pro	Leu	Thr	Phe	Asn	Ser	Val	Val	Glu
61				65				70					75	
Leu	Ile	Asn	His	Tyr	Arg	Asn	Glu	Ser	Leu	Ala	Gln	Tyr	Asn	Pro
76				80				85					90	
Lys	Leu	Asp	Val	Lys	Leu	Leu	Tyr	Pro	Val	Ser	Lys	Tyr	Gln	Gln
91				95				100					105	
Pro	Arg	Gly	Asn	Asn	Gly	Gly	Asn	Asn	Asp	Val	Met	Ala	Ile	Ala
106				110				115					120	
Ala	Asn	Tyr	Arg	Leu	Leu	Asp	His	Tyr	Lys	Tyr	Leu	Thr	Ala	Trp
121				125				130					135	
Phe	Glu	Leu	Leu	Asn	Leu	Pro	Lys	Lys	Ile	Ile	Phe	Val	Gly	His
136				140				145					150	

Asp	Trp	Gly	Ala	Cys	Leu	Ala	Phe	His	Tyr	Ser	Tyr	Glu	His	Gln
151				155				160				165		
Asp	Lys	Ile	Lys	Ala	Ile	Val	His	Ala	Glu	Ser	Val	Val	Asp	Val
166					170				175				180	
Ile	Glu	Ser	Trp	Asp	Glu	Trp	Pro	Asp	Ile	Glu	Glu	Asp	Ile	Ala
181				185					190				195	
Leu	Ile	Lys	Ser	Glu	Glu	Gly	Glu	Lys	Met	Val	Leu	Glu	Asn	Asn
196				200				205				210		
Phe	Phe	Val	Glu	Thr	Met	Leu	Pro	Ser	Lys	Ile	Met	Arg	Lys	Leu
211				215					220				225	
Glu	Pro	Glu	Glu	Phe	Ala	Ala	Tyr	Leu	Glu	Pro	Phe	Lys	Glu	Lys
226				230				235				240		
Gly	Glu	Val	Arg	Arg	Pro	Thr	Leu	Ser	Trp	Pro	Arg	Glu	Ile	Pro
241				245				250				255		
Leu	Val	Lys	Gly	Gly	Lys	Pro	Asp	Val	Val	Gln	Ile	Val	Arg	Asn
256				260				265				270		
Tyr	Asn	Ala	Tyr	Leu	Arg	Ala	Ser	Asp	Asp	Leu	Pro	Lys	Met	Phe
271				275				280				285		
Ile	Glu	Ser	Asp	Pro	Gly	Phe	Phe	Ser	Asn	Ala	Ile	Val	Glu	Gly
286				290				295				300		
Ala	Lys	Lys	Phe	Pro	Asn	Thr	Glu	Phe	Val	Lys	Val	Lys	Gly	Leu
301				305				310				315		
His	Phe	Ser	Gln	Glu	Asp	Ala	Pro	Asp	Glu	Met	Gly	Lys	Tyr	Ile
316				320				325				330		
Lys	Ser	Phe	Val	Glu	Arg	Val	Leu	Lys	Asn	Glu	Gln	Pro	Arg	Asp
331				335				340				345		
Tyr	Lys	Asp	Asp	Val	Val	Lys								
346				350										